

Title (en)
MATERIALS AND METHODS FOR THE PREPARATION OF NANOCOMPOSITES

Title (de)
MATERIALIEN UND VERFAHREN ZUR HERSTELLUNG VON NANOVERBUNDSTOFFEN

Title (fr)
MATÉRIAUX ET PROCÉDÉS POUR LA PRÉPARATION DE NANOCOMPOSITES

Publication
EP 2430112 A2 20120321 (EN)

Application
EP 10767840 A 20100423

Priority

- US 2010032246 W 20100423
- US 26479009 P 20091128
- US 21443409 P 20090423

Abstract (en)
[origin: WO2010124212A2] Disclosed herein is an isolable colloidal particle comprising a nanoparticle and an inorganic capping agent bound to the surface of the nanoparticle, a solution of the same, a method for making the same from a biphasic solvent mixture, and the formation of structures and solids from the isolable colloidal particle. The process can yield photovoltaic cells, piezoelectric crystals, thermoelectric layers, optoelectronic layers, light emitting diodes, ferroelectric layers, thin film transistors, floating gate memory devices, imaging devices, phase change layers, and sensor devices.

IPC 8 full level
C09K 9/00 (2006.01); **H10N 10/852** (2023.01)

CPC (source: EP US)
B82Y 30/00 (2013.01 - EP US); **B82Y 40/00** (2013.01 - EP US); **C01B 19/002** (2013.01 - EP US); **C01B 19/007** (2013.01 - EP US); **C09D 1/00** (2013.01 - US); **C09D 5/22** (2013.01 - EP US); **C09D 5/24** (2013.01 - US); **C09K 11/025** (2013.01 - EP US); **C09K 11/562** (2013.01 - EP US); **C09K 11/565** (2013.01 - EP US); **C09K 11/883** (2013.01 - EP US); **C30B 7/00** (2013.01 - EP US); **C30B 29/40** (2013.01 - EP US); **C30B 29/46** (2013.01 - EP US); **C30B 29/60** (2013.01 - EP US); **H01B 1/06** (2013.01 - EP US); **H01B 1/10** (2013.01 - EP US); **H10N 10/852** (2023.02 - EP US); **C01P 2002/52** (2013.01 - EP US); **C01P 2002/72** (2013.01 - EP US); **C01P 2002/84** (2013.01 - EP US); **C01P 2002/85** (2013.01 - EP US); **C01P 2004/03** (2013.01 - EP US); **C01P 2004/04** (2013.01 - EP US); **C01P 2004/16** (2013.01 - EP US)

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CN111924873A; CN108786803A; CN109659540A; CN109629005A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
WO 2010124212 A2 20101028; **WO 2010124212 A3 20110310**; EP 2430112 A2 20120321; EP 2430112 A4 20121226; EP 2430112 B1 20180912; US 10121952 B2 20181106; US 2012104325 A1 20120503; US 2016308107 A1 20161020; US 9346998 B2 20160524

DOCDB simple family (application)
US 2010032246 W 20100423; EP 10767840 A 20100423; US 201013266079 A 20100423; US 201615133494 A 20160420